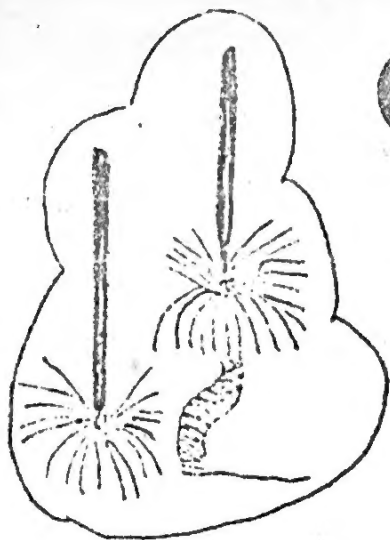


CASTLEMAINE NATURALIST 6

September 1976



President: Mr R. Bradfield
Secretary: Mrs R. Mills
Treasurer: Mr L. Bransgrove.

Monthly meetings are now held on the second Friday of each month, at 8 p.m. in the Castlemaine Education Centre (SEC buildings, Mostyn Street)

Visitors and prospective members are invited to attend the clubs sessions.

CASE MOTHS Contributed by Merrilyn Mills.

I enjoy looking for insects and I have found that there is quite a variety of case moths.

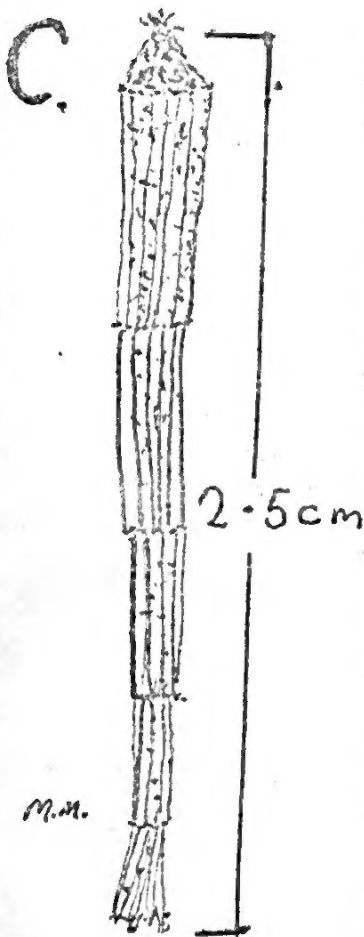
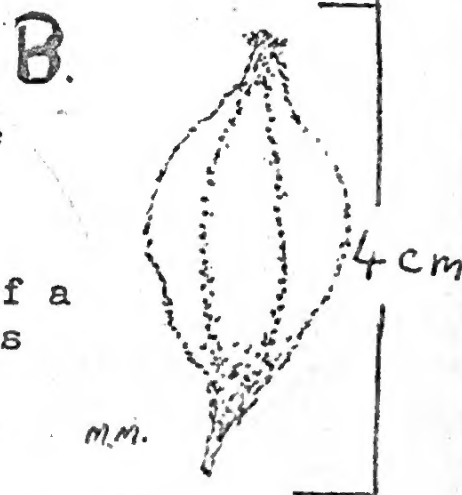
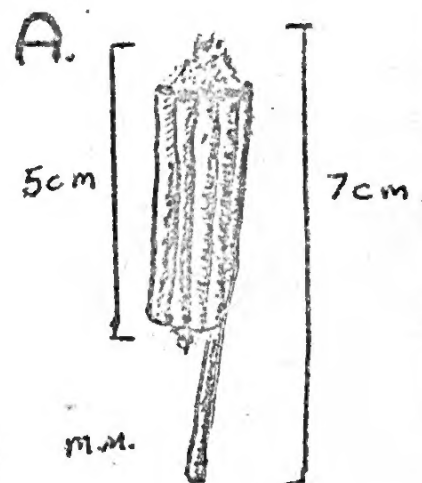
A case-moth we used to have was almost a pet and had a case that consisted of even twigs with one long one. The case-moth would sometimes come out and walk up Mum's arm and leave a trail of red marks where he had stuck his claws in.

Another was a white-ribbed case-moth which used to crawl around the twigs until it found a nice twig, and then attached one spot of the mouth of the case to the leaf, and then ate some of it. To clean his cocoon he would turn upside down and open the bottom. The stick case-moth would behave in the same way.

I have also seen a case-moth that just bored a hole down the centre of a short piece of twig. Others had bits of bark or grass or leaves stuck roughly over them. One I found was

done neatly with five sections.

The male is the only one which emerges as a moth.
The female stays in the case where she lays her eggs.



CLUB PROGRAM - Note change of meeting night to second Friday

September Meeting Frid Sept 10
Speaker: Mr G. Broadway
Subject: Canadian Parks.

October Meeting Frid Oct 8th.
Forest Commission - Film.
Members session - Orchids.
Photographers are asked to show
half a dozen orchid slides.

November Meeting Frid Nov 12
Speaker: Mr J. Wheeler
Subject: Setting up a nature
reserve; rearing sea birds.

December Meeting Frid Dec 10
Program is being arranged.

January Meeting Many clubs go
into recess over January. Mem-
bers will be asked to decide
our policy at this coming
meeting.

1977 PROGRAM

Members are asked to give ideas
etc for next years program to
one of the committee.

ITEMS FROM THE COMMITTEE

Treasurer

Account of \$4.80 (printing of
Jul & Aug newsletter, leaving
a balance of \$53.52.

Committee Meetings will now be
held on the fourth Thursday of
each month - next committee
meeting on Oct 28th.

Sunday Sept 12 Elphinstone Ridge,
Muckleford and Maldon. Joint ex-
cursion with Geelong, Bendigo and
Shepparton Society for Growing
Australian Plants. Meet at 10.30
at Taradale (Opp Mechanics Instit-
ute Hall). Leader: Mr Sitch.

Saturday Sept 18 Unknown Miner's
Grave Gully. Meet at 118 Blakeley
Road at 2.00 pm. This is a walking
excursion-distance is several mile.
Leader: Mrs Mills.

Sunday Oct 10 Tarnagulla
Possible joint excursion with the
Historical Society, by bus.
Estimated cost-\$2. Details from
Mr Bradfield at the meeting.

Sunday Oct 17 Bells Swamp & Drummond
Joint excursion with the Marybor-
ough Field Naturalists Club.

Nov 13 or 14 Barfold Falls
Decision as to better day for this
excursion will be made at the
coming meeting.

December Excursion Mt Alexander.

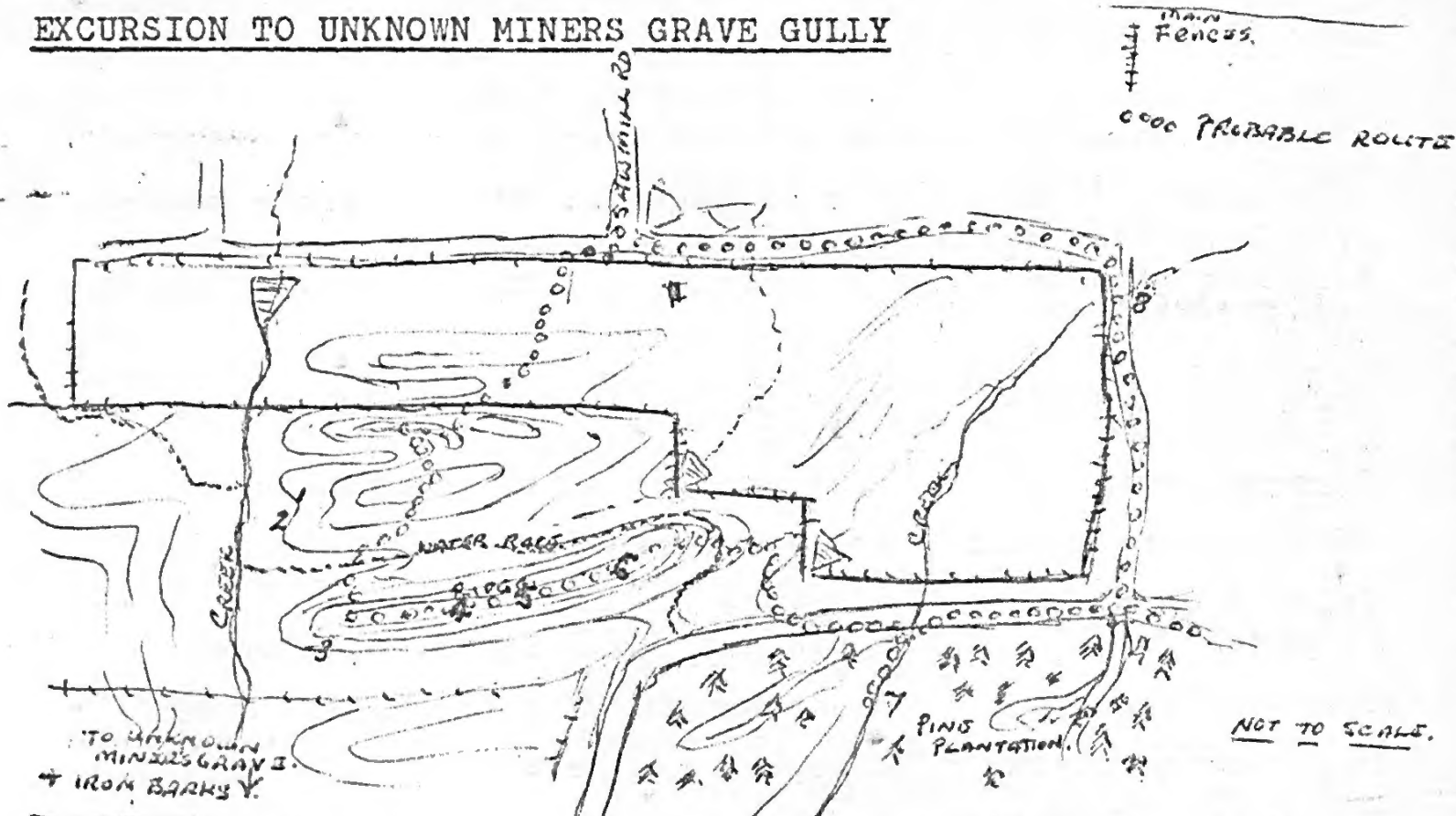
CLUB RECORDS We will use the
distribution method as set out in
"Victorian Plants"-Churchill & de-
Corona, 1972. This system is in
common use by Victorian Naturalists.

CLUB MAGAZINES A librarian is need-
ed to supervise distribution

BIRDS SEEN ON THE PORCUPINE RIDGE EXCURSION by Jamie Broadway
Aug 8, 1976

Wood duck	Mudlark	Starling
Swallow	Chough	Magpie
Blue crane (White- faced heron)	Raven	Red-back grass parrot
Sky-lark	Willie Wag-tail	Grey Thrush
Scarlet Robin	Thorn-bill	Crimson Rosella
Pipit.	Galah	Buff-tailed Thornbill
	Wedgetailed Eagle	White-throated Tree- creeper.

EXCURSION TO UNKNOWN MINERS GRAVE GULLY



Plant list for area

Acacia aspera (rough wattle)
A. genistifolia (= *A. diffusa*)
A. cognata (= *A. armata*)
A. acinacea (gold-dust wattle)
A. pycnantha (Golden wattle)
A. baileyana (Cootamundra w.)
Bossiaea sp. (
Pultenaea sp (bush pea)
Daviesia ulicifolia (Gorse
 bitter-pea)
D. virgata (Narrow-leaf bitter-p.)
Hovea heterophylla (Common hovea)
Hardenbergia violacea (Coral pea)
Spyridium parvifolium (Dusty miller)
Prostantera denticulata (Rough
 mint bush)
Pimelea humilis (Rice flower)
Bursaria spinosa (Sweet bursaria)
Grevillea alpina (Goldfields Grev-
 illea)
Asplenium flabellifolium (neck-
 lace fern)
Cheilanthes tenuifolium (Rockfern)
Eriostemon verrucosus (Fairy wax)
Dianella revoluta (Smooth flax-lily)
D. laevis (Pale flax lily-unconfirmed)

Orchid List for Area

Thelymitra ixioides (Spotted
 sunorchid)
T. venosa (Veined sunorchid)
T. rubra (Salmon sunorchid)
Calochilus imberbis (Beardless
 beard-orchid) (Seen once only)
C. robertsonii (Brown beard)
Diuris maculata (Leopard orchid)
Microtis parviflora (Slender
 onion-orchid)
Acianthus reniformis (Mosquito
 orchid)
Caladenia dilitata (Green-comb
 spider orchid)
C. carnea (Pink-fingers)
C. caerulea (Blue caladenia)
C. angustata (Musky caladenia)
Glossodia major (Waxlip)
Corybas diemenicus (Slaty
 helmet orchid) (seen once)
Pterostylis nana (Dwarf greenhood)
P. nutans (Nodding greenhood)
P. longifolia (Tall greenhood),
 etc.

by Mrs R. Mills.

ORCHIDS OF THE CASTLEMAINE AREA by Mr F Taylor

(The following is a list of orchids found in a 15 mile radius of Castlemaine over the last 10 years)

Some plants flowered in good seasons; but not every season; odd ones have been noted on one season only.

A number grew on private property and may be extinct in this area.

<i>Acianthus exsertus</i>	Newstead side of Green Gully.
<i>A. caudatus</i>	Newstead side of Green Gully.
<i>A. reniformis</i>	Scattered colonies everywhere.
<i>Chiloglottis gunnii</i>	Between Taradale and Metcalfe.
<i>Caleana major</i>	Glenluce.
<i>C. minor</i>	South-east of Vaughan. Glenluce.
<i>Corybas diemenicus</i>	Woodbrook, Barkers Creek, The Monk.
<i>Dipodium punctatum</i>	Harcourt and South.
<i>Eriochilus cucullatus</i>	Everywhere.
<i>Glossodia major</i>	Everywhere.
<i>Orthoceras strictum</i>	Muckleford.
<i>Spiranthes sinensis</i>	Sutton Grange, Metcalfe.
<i>Calochilus campestris</i>	Walmer.
<i>C. robertsonii</i>	Everywhere.
<i>C. imberbis</i>	Between Taradale and Metcalfe, and near Taradale.
<i>Prasophyllum nigricans</i>	Scattered everywhere.
<i>P. archeri</i>	Muckleford.
<i>P. odoratum</i>	Near Taradale, Elphinstone.
<i>Diuris maculata</i>	Everywhere.
<i>D. pedunculata</i>	Muckleford, Harcourt, Barkers Creek, Sutton Grange.
<i>D. sulphurea</i>	Glenluce, Barkers Creek.
<i>D. punctata</i>	Sutton Grange.
<i>D. brevissima</i>	Sutton Grange.
<i>D. palachila</i>	Harcourt.
<i>D. punctata</i> var <i>alba</i>	Seems to be extinct.
<i>Microtis unifolia</i>	Everywhere
<i>M. parviflora</i>	Muckleford.

<i>Pterostylis parviflora</i>	Scattered in most areas.
<i>P. alata</i>	Harcourt.
<i>P. revoluta</i>	In colonies in most areas.
<i>P. longifolia</i>	In colonies in most areas.
<i>P. nutans</i>	In colonies in most areas.
<i>P. curta</i>	Harcourt, Barkers Creek, Wattle Flat.
<i>P. pedunculata</i>	Junction of Vaughan and Glenluce Roads.
<i>P. nana</i>	Everywhere.
<i>P. cyanocephala</i>	Muckleford, Harcourt.
<i>P. mutica</i>	Muckleford, Sutton Grange, Harcourt.
<i>P. barbata</i>	Muckleford, Harcourt.
<i>P. robusta</i>	Barkers Creek.
<i>P. biseta</i>	Glenluce.
<i>Caladenia carnea</i>	Everywhere
var.	Stems 6-9" tall; 2 or 3 occasionally flowers per stem.
<i>C. caerulea</i>	Everywhere
<i>C. deformis</i>	Woodbrook, Smiths Reef Maldon
<i>C. clavigera</i>	Taradale - Metclife Rd., Taradale.
<i>C. congesta</i>	Woodbrook.
<i>C. cucullata</i>	Everywhere.
<i>C. filamentosa</i>	Taradale.
<i>C. patersonii</i>	Muckleford.
var <i>concolour</i>	Scattered everywhere.
<i>C. testacea</i>	Scattered everywhere.
<i>C. angustata</i>	Scattered everywhere.
<i>C. dilatata</i>	Scattered everywhere, sometimes in quantity.
var <i>concinna?</i> (red)	Harcourt, Sutton Grange.
<i>Thelymitra ixioides</i>	Most areas
var <i>truncata</i>	Muckleford.
<i>T. aristata</i>	West and North of Castlemaine.
var <i>megcalyptera</i>	Muckleford
<i>T. pauciflora</i>	Everywhere
<i>T. macmillanii</i>	Muckleford
<i>T. rubra</i>	Everywhere
<i>T. grandiflora</i>	Between Taradale and Metcalfe, Newstead side of Green Gully.
<i>T. chasmogama</i>	Muckleford, Sutton Grange.
<i>T. luteocilium</i>	Sutton Grange,
<i>T. irreglaris</i>	Blackfellows Gate Road, Elphinstone
<i>T. flexuosa</i>	Muckleford.
<i>T. carnea</i>	Muckleford, Sutton Grange.
<i>T. antennifera</i>	Everywhere.
<i>Diuris palustris</i>	Sutton Grange.

SUGGESTED BOOKS FOR A BASIC REFERENCE LIBRARY

The following books have been suggested to the Education Centre for a basic reference library. As a guide, prices are given from current catalogues (except where shown by ?). Prices have, however, risen very sharply recently, and vary considerably from shop to shop.

1. BIRDS

The standard field guide is

Field Guide to Australian Birds by P. Slater (Rigby)

vol 1 - Non Passerines \$9.95

vol 2 - Passerines \$9.95

The standard reference text is

Birds of Australia by J.D. McDonald (Reed) \$18.95

Books on smaller groups of birds are

Australian Fly-catchers by Brigadier H. Officer (BOC) \$5.75

Australian Honeyeaters by Brigadier H. Officer (BOC) \$4.00

The standard book for Victorian bird distribution is

The Birds of Victoria by W.R. Wheeler (RORG) \$2.40? (in 1967)

2. GEOLOGY

The basic text (but rather technical) is

Geology of Victoria - Geological Society of Victoria, special publication no 5 \$25.

An excellent book on physiography which has just been republished is

Physiography of Victoria by E.S. Hills (Whitcome and Tombs) \$11.10

A detailed account of some of the local geology is given in

A Regional Guide to Victorian Geology ed J. McAndrew and M.A.H. Marsden, (School of Geology, Melbourne University) About \$8?

3. INSECTS

The standard reference is

The Insects of Australia CSIRO \$37.50

The Insects of Australia, Supplement 1974 CSIRO \$8?

A book specialising in butterflies is

Australian Butterflies by C. McCubbin (Nelson) \$19.95

4. PLANTS

Victorian Floras are out of date and out of print. The basic reference is

Plants in Victoria by J. Willis (MUP)

vol 1 Monocotyledons \$15

vol 2 Dicotyledons \$24

The Flora of South Australia is fairly cheap and a useful reference (in that it contains a full description of most local plants)

Flora of South Australia by J. Black, 4 vols (S.A. Govt Printer) about \$10 ?

A book containing coloured illustrations of many Victorian plants is

A Field Guide to Flowers and Plants of Victoria by Willis, Fuhrer and Rotherham (Reed) \$9.95

Excellent guides to some of the plant groups are

A Field Guide to Victorian Wattles by F.J.C. Rogers \$1.75

Forest Trees of Australia by Hall, Johnson and Chippendale, (Australian Govt. Printing Service) \$8.50

Orchids of Australia by Nicholls -about \$20 ??

Victorian Toadstools and Mushrooms by J.H. Willis (FNCV) 90 ¢

Ferns of Victoria and Tasmania by N.A. Wakefield (FNCV) \$2.50

Aquatic Plants of Australia by H. Aston (MUP) \$24.

5. REPTILES AND FROGS

Reptiles and Amphibians of Australia by H.G. Cogger (Reed) \$23.95

6. MAMMALS

There are two general guides

Furred Animals of Australia by E. Troughton (Angus and Robertson) (1973) \$10.95. and/or

A Guide to the Native Mammals of Australia by W.D.L. Ryde, illust E. Frey (Oxford) \$9.20.

7. DICTIONARY OF BIOLOGY

For proper use of many of the above, a dictionary of terms is essential. An inexpensive book is

Australian Dictionary of Biology by J&P Child (Periwinkle) \$2?

Further suggestion from club members are asked for.

INTERESTING GEOLOGICAL FEATURES OF THE CASTLEMAINE DISTRICT

The map overleaf has been prepared using information supplied by Mr W. Priestley.

Newsletter Ed - E Perkins

UNDERCUT & SLIP OFF SLOPES
FLOOD PLAINS, OK BOW LAKES

SLATE QUARRIES

UNCONFORMITY
Railway Cutting

UNDERCUT & SLIP OFF SLOPES
FLOOD PLAINS, OK-BOW LAKES

CONTACT AUREOLE
Expedition Pass

LAMPROPHYRE DYKE

Castlemaine

HILLSIDE CREEP

ANTICLINE Littleton St
SYNCLINE Mostyn St

UNCONFORMITY
Wesley Hill Oval

Railway Cutting - 77 mile peg
SYNCLINE

SOIL RECLAMATION
PROJECT (Mr A
FLOWERS)

FOLDS & REFRACTION OF
CLEAVAGE IN SLATES
Forest Creek

FOLDS, FAULT, DYKE
Railway Cutting
Railway Avenue

LARGE EXPOSED
QUARTZ REEF

HILLSIDE CREEP

Mr Consultation
VOLCANIC CONG

Also CONTACT AUREOLE
Harcourt - Elphinstone